



420

**Block Parameters: Dryden Wind Turbulence Model (Continu...) X**

Wind Turbulence Model (mask) \_\_\_\_\_

Generate atmospheric turbulence. White noise is passed through a filter to give the turbulence the specified velocity spectra.

Medium/high altitude scale lengths from the specifications are 762m (2500 ft.) for Von Karman turbulence and 533.4 m (1700 ft.) for Dryden turbulence.

Parameters \_\_\_\_\_

Units:

Specification:

Model type:

Wind speed    
  
  
 421

Wind direction    
  
  
  
 423

Probability of \_\_\_\_\_

Scale length at medium/high altitudes (m):

Wingspan (m)

Band-limited noise sample time (seconds)

Noise seeds [ug vg wg pg]:

☒ Turbulence on

*Fig. 4B*